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Positive radiation sensitive resin compsn. - contains alkali soluble resin, radiation sensitive acid forming agent, resin solubility controlling agent, and cpd. contg. basic nitrogen gp. and acid gp.

Patent Assignee: JAPAN SYNTHETIC RUBBER CO LTD (JAPS )

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Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 5289340	A	19931105	JP 92116722	A	19920410	199349 B
US 5580695	A	19961203	US 9319871	A	19930219	199703
			US 94339289	A	19941110	
JP 2976414	B2	19991110	JP 92116722	A	19920410	199953

Priority Applications (No Type Date): JP 92116722 A 19920410; JP 9273169 A 19920225

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 5289340	A		18	G03F-007/039	
US 5580695	A		13	G03C-001/73	Cont of application US 9319871
JP 2976414	B2		16	G03F-007/004	Previous Publ. patent JP 5289340

Abstract (Basic): JP 5289340 A

The compsn. includes (1) alkali soluble resin, (2) radiation sensitive acid forming agent, (3) a cpd. able to control the alkali solubility of the alkali soluble resin of (1), decomposable by the existence of acid for lowering or eliminating the alkali solubility of (1) controlling effect, or generating the property for accelerating the alkali solubility of (1), and (4) is cpd. with a nitrogen-contg. basic gp. and acid gp. in a molecule.

The compsn. includes (1) alkalit insoluble or hardly soluble resin having at least one kind of acid dissociation gp. selected from substd. methyl gp., 1-substd. ethyl gp., gelmyl gp., alkoxycarbonyl gp., acyl gp. and silyl gp., and becoming alkali soluble when the above gp. dissociates the acid, and (3) a cpd. having a nitrogen-contg. basic gp. and acid gp. in the molecule.

USE/ADVANTAGE - Superior developing property, pattern forming property and definition. Used for the irradiation by radiation of wavelength less than far UV.

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